

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS

Claim 1 (Previously presented): A dielectric filter comprising:

a dielectric block in the form of a rectangular parallelepiped and having a plurality of through bores extending therethrough in parallel to each other;

an outer conductor in the form of a conductor layer and covering an outer peripheral surface of the block in parallel with the extending direction of the through bores and one end face of the block wherein one end of each of the through bores has an opening;

an inner conductor in the form of a conductor layer and covering an inner periphery of the block defining each of the through bores; and

a pair of input and output electrodes formed on a surface of the block and separated from the outer conductor,

wherein the other end face of the block in which the other ends of the through bores have openings is in the form of an open end face having no conductor layer,

wherein the pair of input and output electrodes are opposed to each other on one plane providing the outer peripheral surface of the block,

wherein a dielectric block exposing portion is formed all over the region of said one plane between the input and output electrodes and having no conductor layer thereon,

wherein the block is provided in said other end face thereof with at least one groove dividing the open end face,

wherein the groove is provided with a conductor in conduction with the outer conductor, to thereby allow one pass band and three attenuation poles to appear.

Claim 2 (previously presented): A dielectric filter according to claim 1, wherein the conductor provided in the groove comprises a conductor layer formed on an inner surface defining the groove and joined to the outer conductor.

Claim 3 (previously presented): A dielectric filter according to claim 1, wherein the groove extends between the through bores having the openings in the open end face.

Claim 4 (previously presented): A dielectric filter according to claim 1, wherein each of the through bores comprises a large-diameter bore portion and a small-diameter bore portion joined thereto in the extending direction of the bore.

Claim 5 (new): A dielectric filter according to claim 1, wherein a distance between the input and output electrodes is set such that one attenuation pole appears at a low frequency side of the pass band, and a width and depth of the groove are set such that two attenuation poles appear at a high frequency side of the pass band.